

CLAIMS

What is claimed is:

- 5 1. A portable work bench comprising:
- a structural body;
- a platform disposed on the structural body; and
- a locking mechanism disposed on one of the structural body and the
- 10 platform, said locking mechanism comprising a cam movable between a first
- position locking the platform on the structural body and a second position
- unlocking the platform.
2. The work bench of Claim 1, further comprising a plurality of legs
- supporting the structural body.
- 15 3. The work bench of Claim 1, wherein the structural body is tubular.
4. The work bench of Claim 1, wherein the structural body has a square
- cross-section.
- 20 5. The work bench of Claim 1, wherein the platform further comprises a
- top surface, upon which a power tool can be installed thereon.
6. The work bench of Claim 1, wherein the platform is movable along the
- 25 structural body.

7. The work bench of Claim 1, wherein the cam is pivotable about an axis.

8. The work bench of Claim 7, wherein the axis is substantially parallel to
5 longitudinal axis of the structural body.

9. The work bench of Claim 1, wherein the platform comprises a hook
portion contacting the structural body.

10 10. The work bench of Claim 1, wherein the locking mechanism further
comprises a plate disposed between the cam and the other of the structural body
and the platform.

11. The work bench of Claim 10, wherein the locking mechanism further
15 comprises a spring for biasing the plate towards the cam.

12. The work bench of Claim 1, further comprising a handle connected to
the cam for moving the cam between first and second positions.

20 13. The work bench of Claim 1, further comprising an extension that can
be installed at an end of said structural body.

14. The work bench of Claim 1, further comprising a support mechanism installed at an end of said structural body for supporting an elongated work piece.

5 15. A method for using a work bench, comprising:
providing a structural body,
disposing a platform on the structural body,
disposing a locking mechanism on one of the structural body and the
platform, said locking mechanism comprising a cam movable between a first
10 position locking the platform on the structural body and a second position
unlocking the platform, and
moving the cam between the first and second positions.

15 16. The method of Claim 15, further comprising installing a power tool on
the platform.

17. The method of Claim 15, further comprising moving the platform along
the structural body.

20 18. The method of Claim 15, wherein the locking mechanism further
comprises a plate disposed between the cam and the other of the structural body
and the platform.

19. The method of Claim 18, wherein the locking mechanism further comprises a spring for biasing the plate towards the cam.

5 20. The method of Claim 15, further comprising providing a handle connected to the cam for moving the cam between first and second positions.